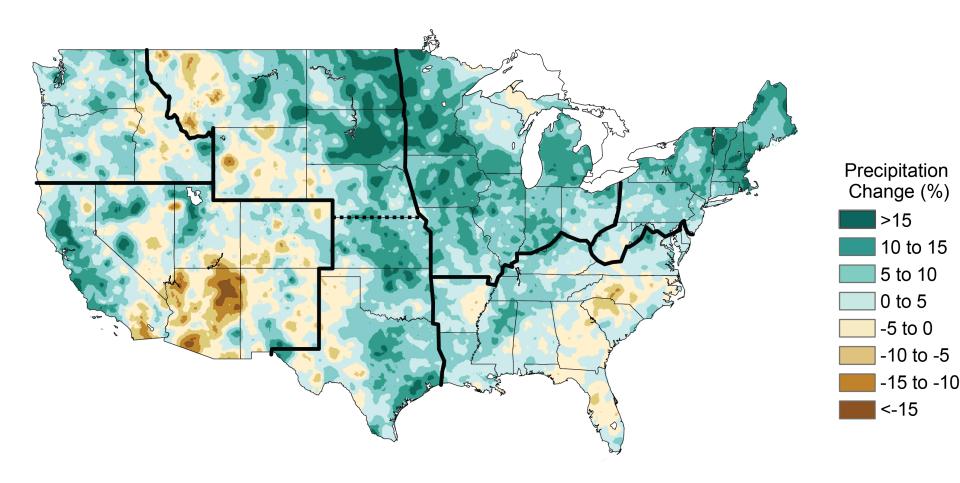
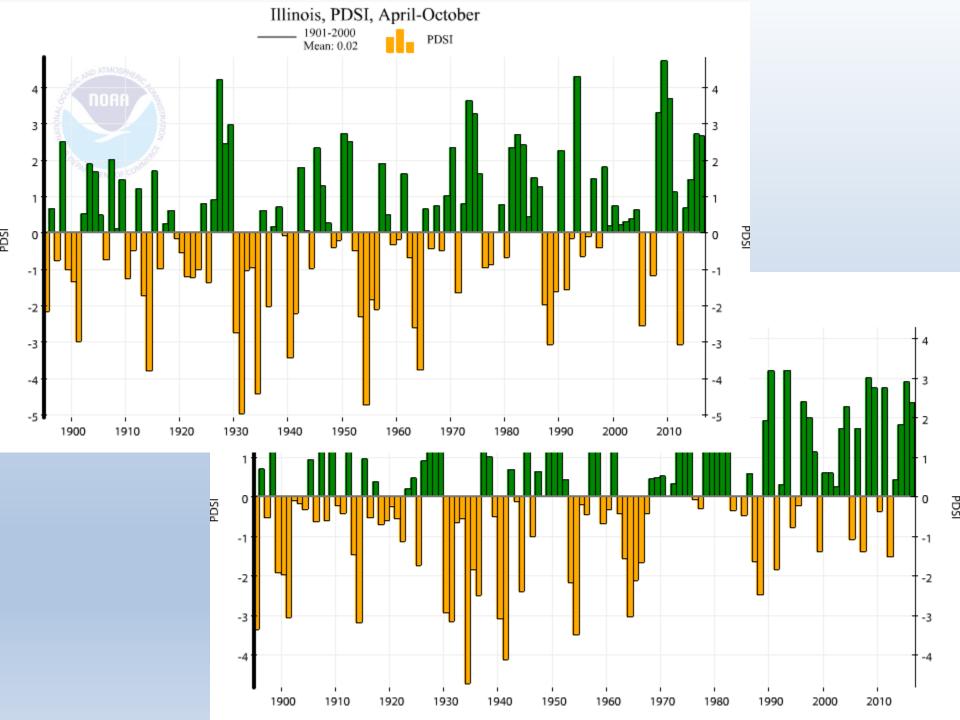
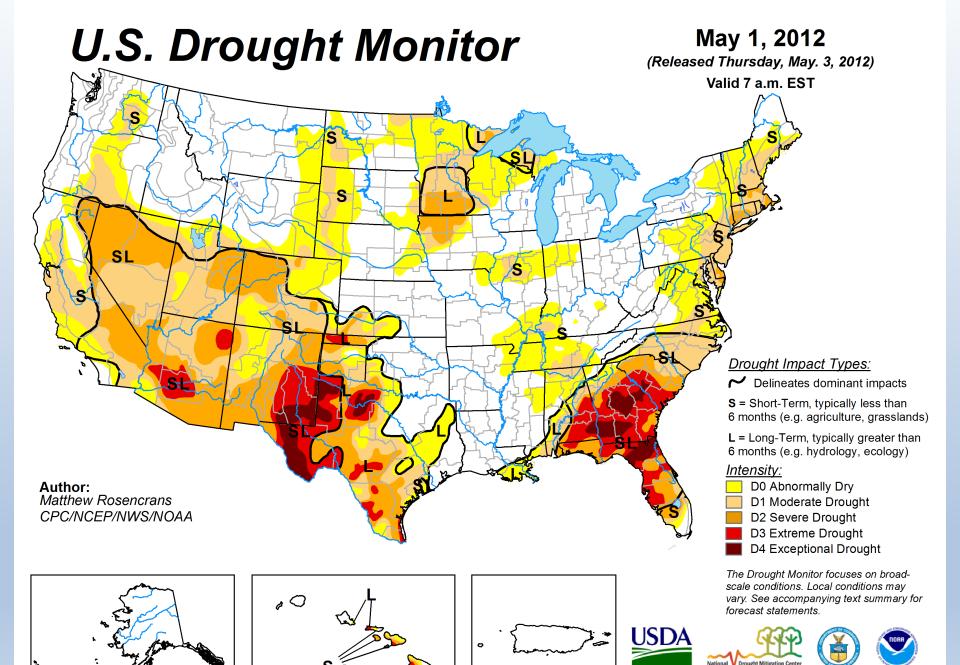


Observed U.S. Precipitation Change

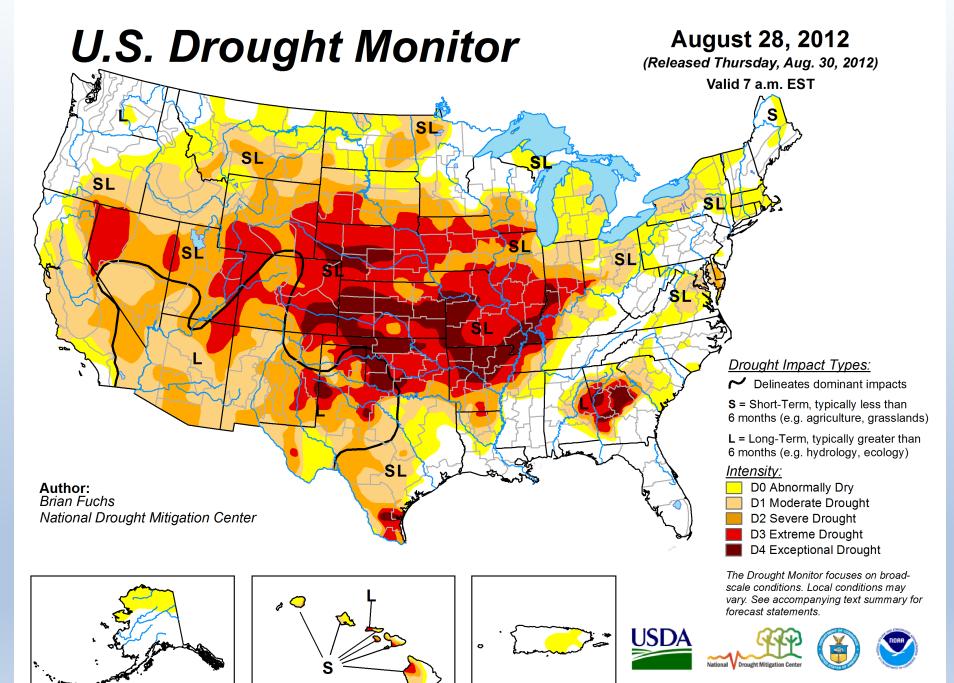


The colors on the map show annual total precipitation changes for 1991-2012 compared to the 1901-1960 average, and show wetter conditions in most areas.

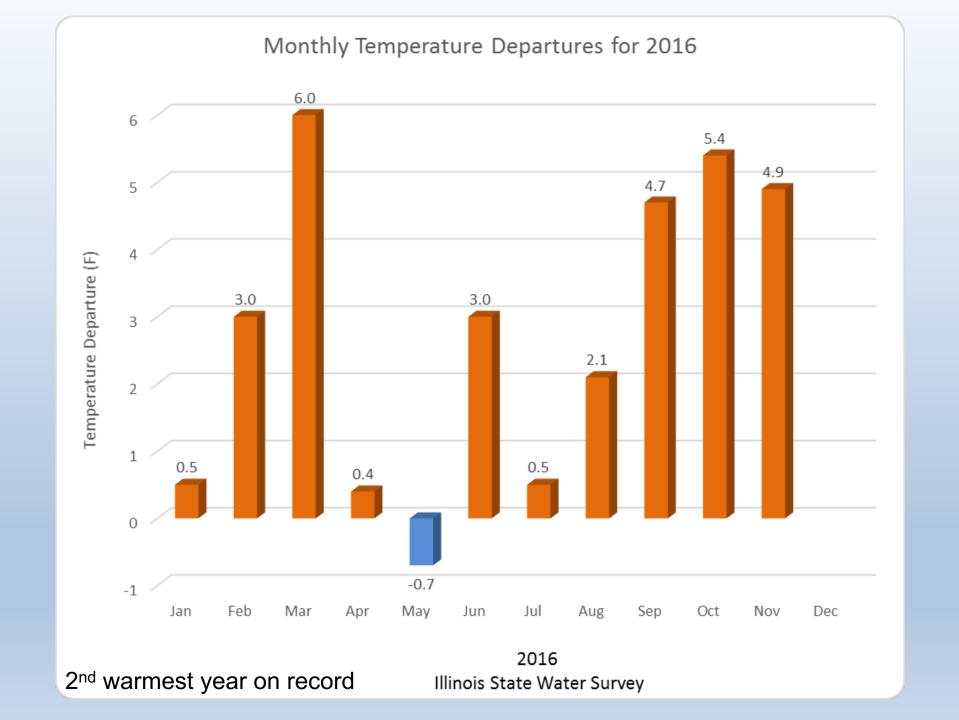




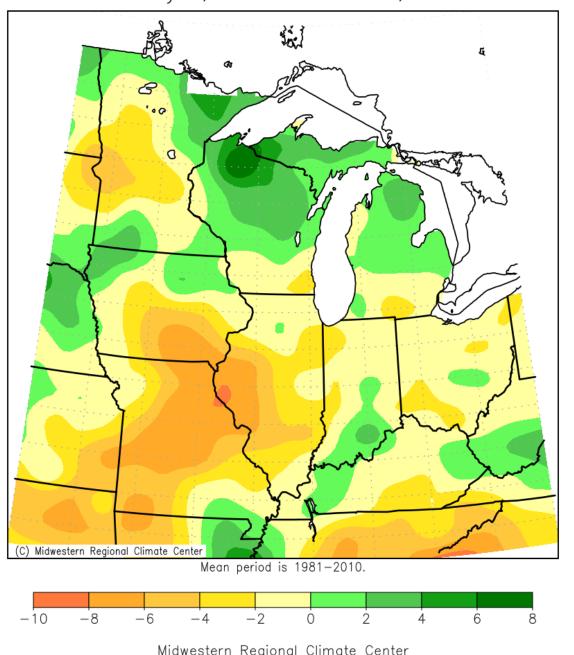
http://droughtmonitor.unl.edu/



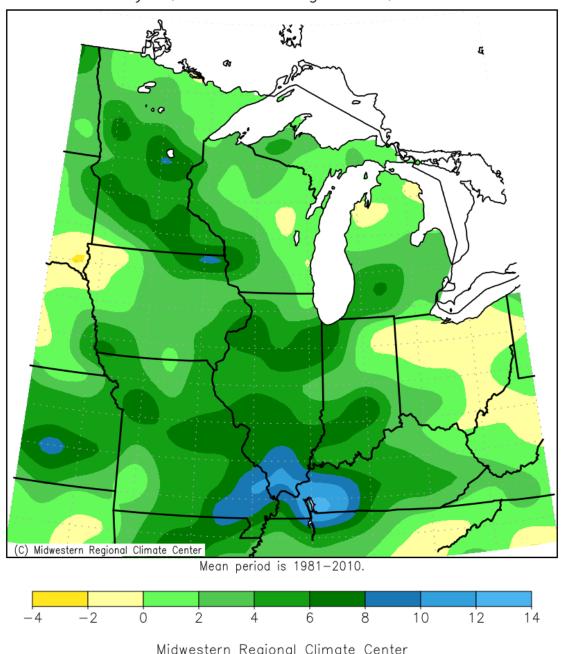




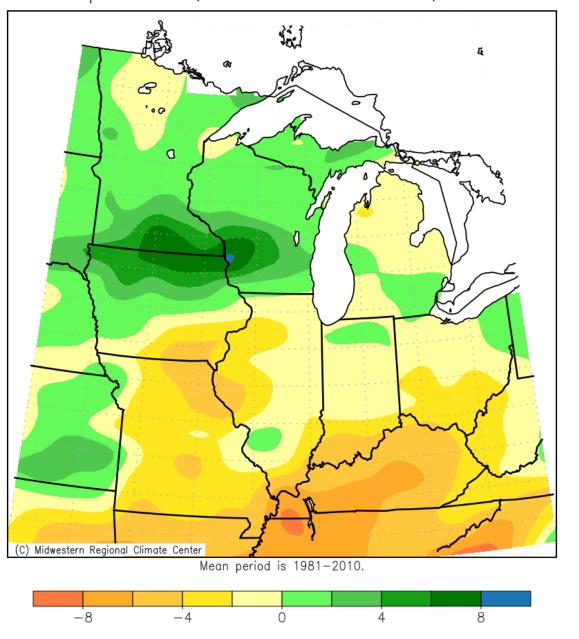
Accumulated Precipitation (in): Departure from Mean January 1, 2016 to June 30, 2016



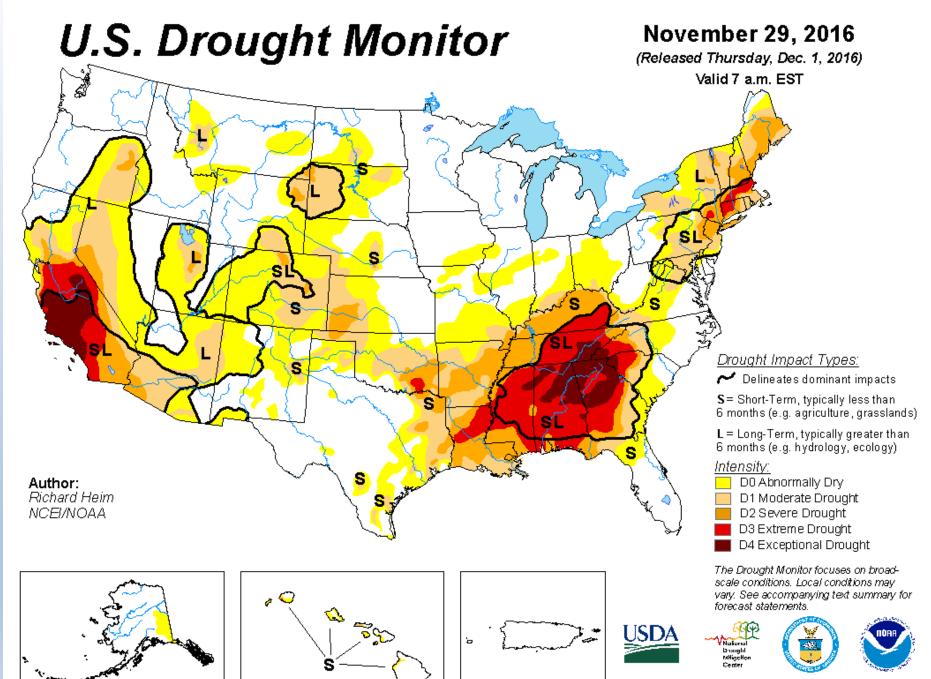
Accumulated Precipitation (in): Departure from Mean July 1, 2016 to August 31, 2016



Accumulated Precipitation (in): Departure from Mean September 1, 2016 to December 4, 2016



Midwestern Regional Climate Center



http://droughtmonitor.unl.edu/

La Niña

• La Niña conditions are present and slightly favored to persist (~55% chance) through winter 2016-17.

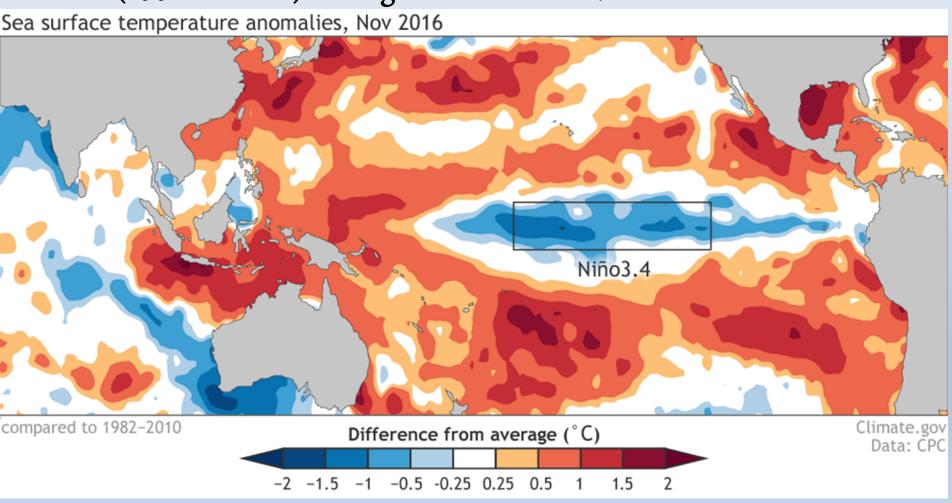
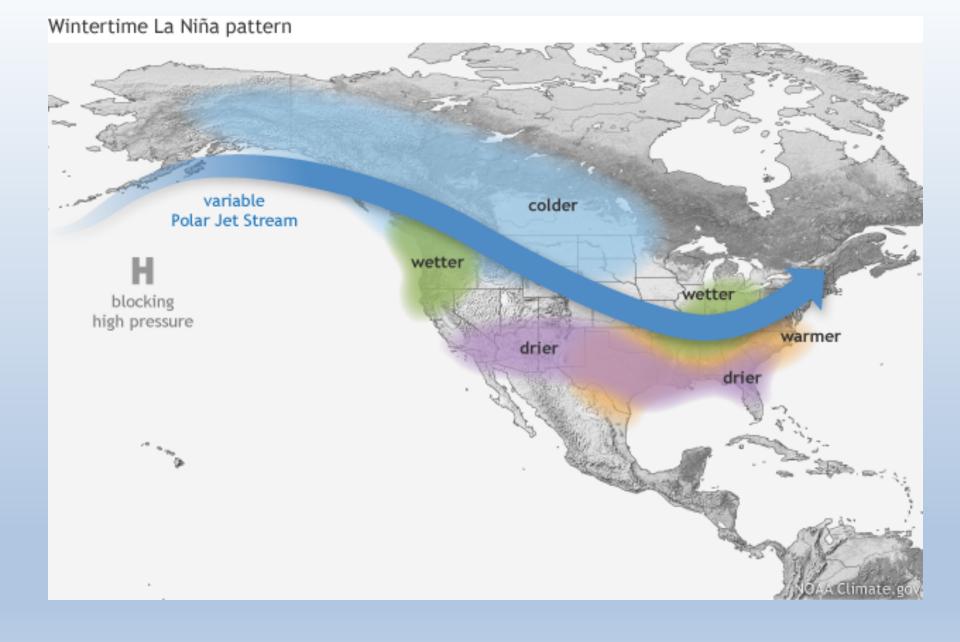


Figure: https://www.climate.gov/news-features/department/enso-blog

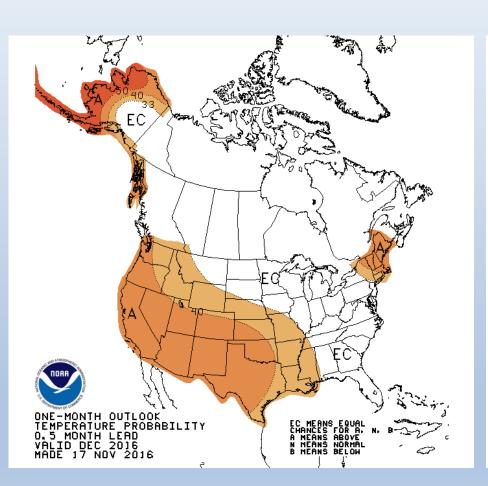


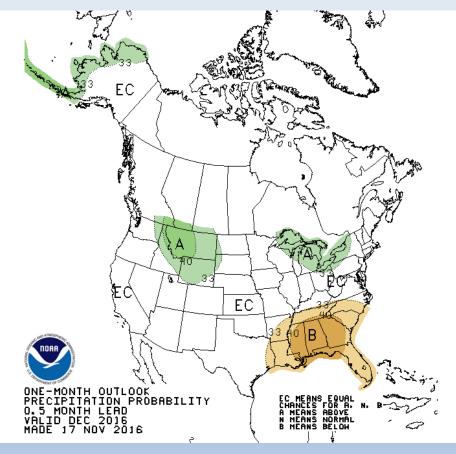
Changes in the winter atmosphere during La Niña. NOAA Climate.gov image by Fiona Martin.

Caveats

- La Niña is not as well-defined as El Niño
- The impacts of La Niña are less clear than El Niño
- There are always other factors at play Canadian and Siberian snow cover, reduced ice cover in the Arctic Ocean, ocean temperatures in other parts of the Pacific and Atlantic, overall warming trend ...

December Outlook



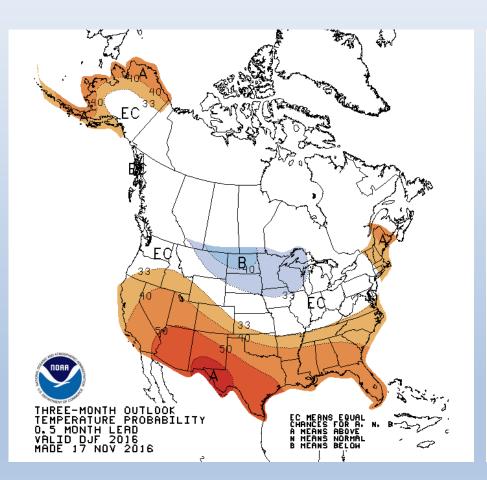


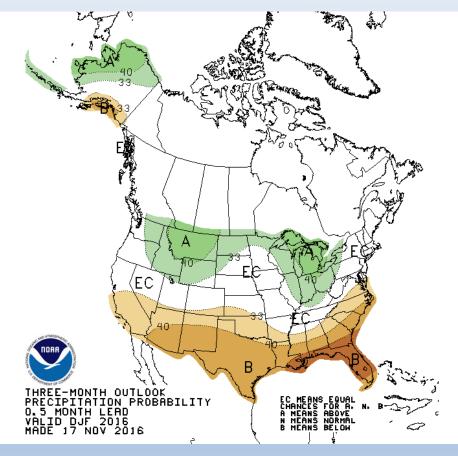
Temperature

Precipitation

http://www.cpc.ncep.noaa.gov/

December - February Outlook

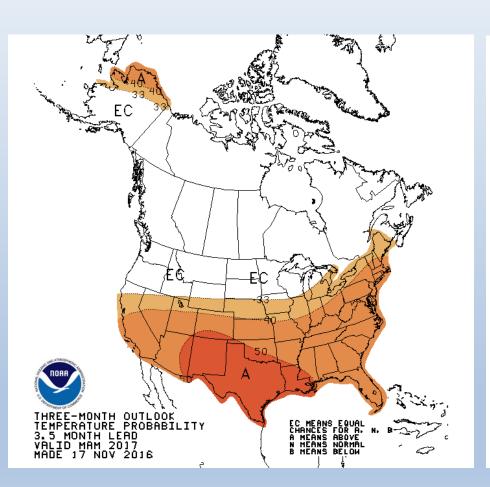


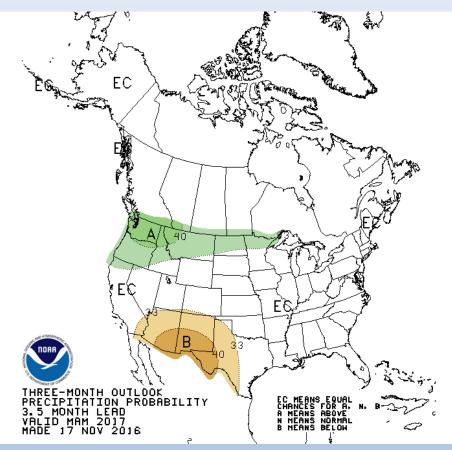


Temperature

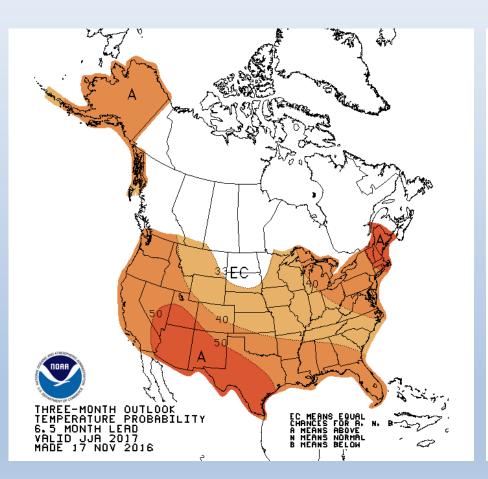
Precipitation

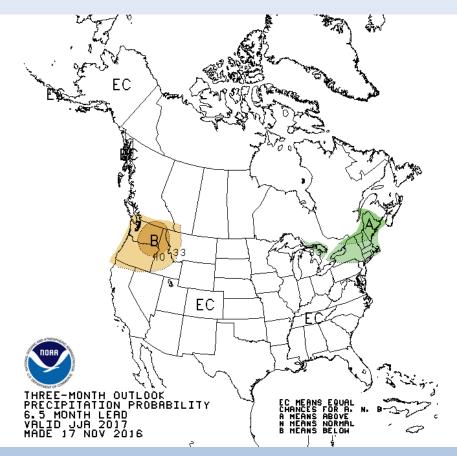
March – May Outlook





June – August Outlook

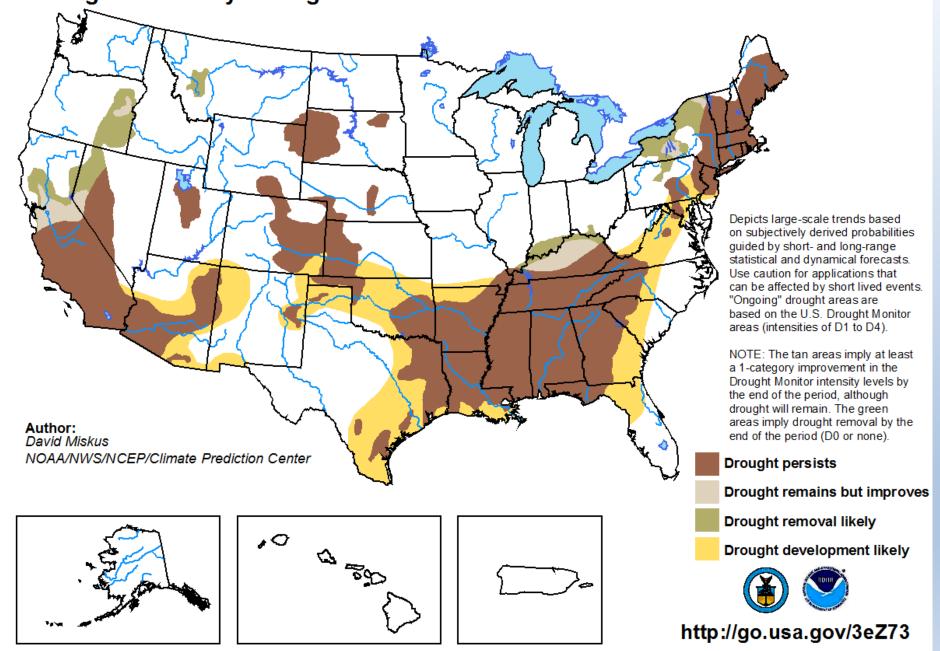




Temperature

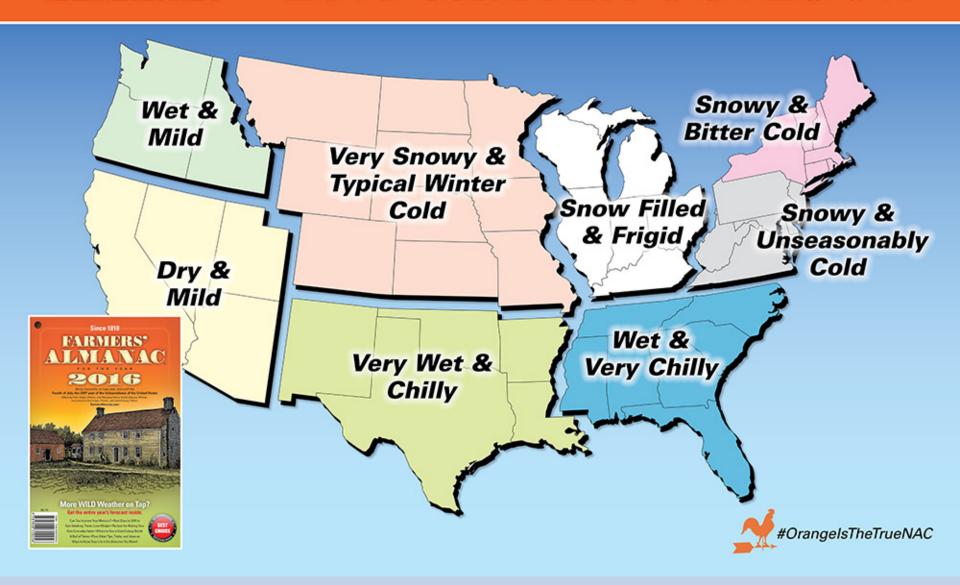
Precipitation

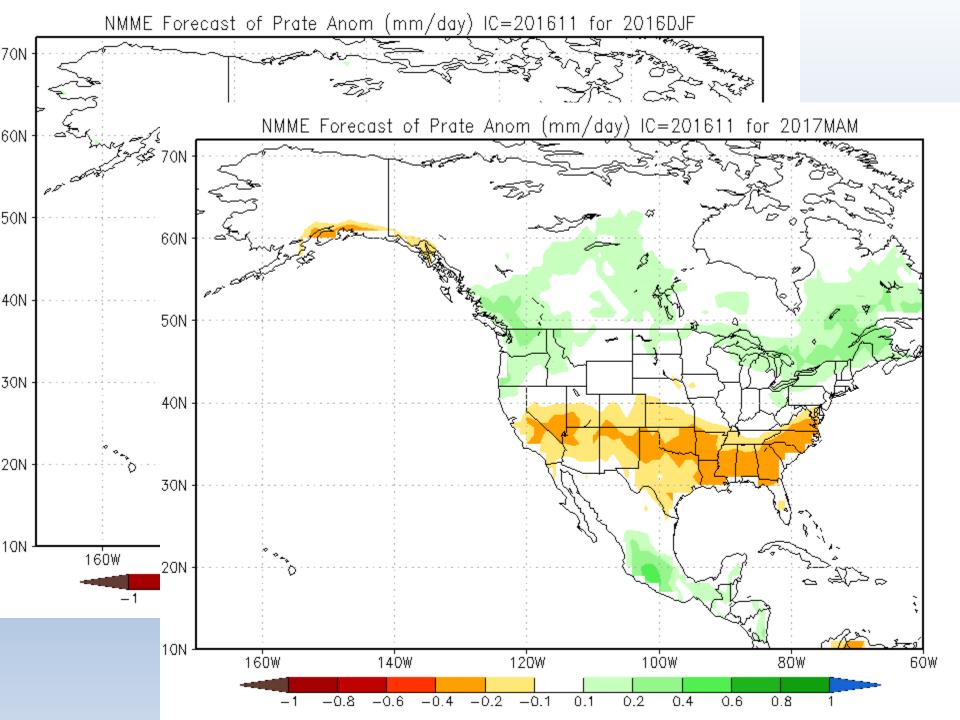
U.S. Seasonal Drought Outlook Valid for November 17 - February 28, 2017 Drought Tendency During the Valid Period Released November 17, 2016





FARMERS' 2016 WINTER OUTLOOK





Thank You!

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